

FORM PTO-1449

## INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
0623.1090001/EKS/BJDAPPLICATION NO.  
09/877,244APPLICANT  
STADDON et al.FILING DATE  
June 11, 2001GROUP  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
BL	AA1	5,155,031	10/13/92	Posner et al.	435	184	06/07/90
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
BL	AL1	WO 91/04745	04/18/1991	WIPO			Yes No
	AM1	JP 4-13631	01/17/1992	Japan			Abstract Yes No
	AN1	WO 95/13820	05/26/1995	WIPO			Yes No
	AO1	WO 96/16170	05/30/1996	WIPO			Yes No
	AP1	WO 98/14186	04/09/1998	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

BL	AR	1	Aberle, H., et al., "Cadherin-Catenin Complex: Protein Interactions and Their Implications for Cadherin Function," J. Cell. Biochem. 61:514-523, Wiley-Liss, Inc. (1996).
PX	AS	1	Anderson, J.M., et al., "The structure and regulation of tight junctions," Curr. Opin. Cell Biol. 5(5):772-778, Current Biology Ltd. (1993).
BL	AT	1	Balda, M.S., et al., "Assembly of the Tight Junction: The Role of Diacylglycerol," J. Cell Biol. 123(2):293-302, The Rockefeller University Press (1993).

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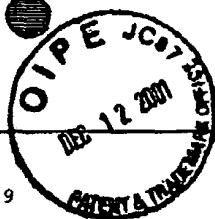
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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

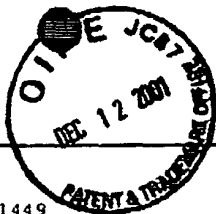
BL	AR	2	Behrens, J., et al., "Loss of Epithelial Differentiation and Gain of Invasiveness Correlates with Tyrosine Phosphorylation of the E-Cadherin/ $\beta$ -Catenin Complex in Cells Transformed with a Temperature-sensitive v-SRC Gene," J. Cell Biol. 120(3):757-766, The Rockefeller University Press (1993).
BL	AS	2	Breier, G., et al., "Angiogenesis in Embryos and Ischemic Diseases," Thromb. Haemost. 78:678-683, F.K. Schattauer Verlagsgesellschaft (July 1997).
BL	AT	2	Citi, S., "Protein Kinase Inhibitors Prevent Junction Dissociation Induced by Low Extracellular Calcium in MDCK Epithelial Cells," J. Cell Biol. 117:169-178, The Rockefeller University Press (1992).

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	3	Citi, S., et al., "The role of phosphorylation in the assembly and disassembly of epithelial junctions," Molec. Biol. Cell 3(Suppl.):218a, Abstract No. 1262, The American Society for Cell Biology (1992).
AS	3	Collares-Buzato, C.B., et al., "Junctional uvomorulin/E-cadherin and phosphotyrosine-modified protein content are correlated with paracellular permeability in Madin-Darby canine kidney (MDCK) epithelia," Histochemistry 101:185-194, Springer-Verlag (1994).
AT	3	Crow, D.S., et al., "Phosphorylation of connexin43 in cells containing mutant src oncogenes," Oncogene 7:999-1003, Nature Publishing Group (1992).

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

BL	AR	4	Daniel, J.M., and Reynolds, A.B., "Tyrosine phosphorylation and cadherin/catenin function," <i>BioEssays</i> 19:883-891, The Company of Biologists Limited (October 1997).
BL	AS	4	Downing, J.R., and Reynolds, A.B., "PDGF, CSF-1, and EGF induce tyrosine phosphorylation of p120, a pp60 <sup>src</sup> transformation-associated substrate," <i>Oncogene</i> 6:607-613, Nature Publishing Group (1991).
BL	AT	4	Durieu-Trautmann, O., et al., "Nitric Oxide and Endothelin Secretion by Brain Microvessel Endothelial Cells: Regulation by Cyclic Nucleotides," <i>J. Cell. Physiol.</i> 155:104-111, Wiley-Liss, Inc. (1993).

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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

BL	AR	5	Fantus, I.G., et al., "Pervanadate [Peroxide(s) of Vanadate] Mimics Insulin Action in Rat Adipocytes via Activation of the Insulin Receptor Tyrosine Kinase," <i>Biochemistry</i> 28:8864-8871, American Chemical Society (1989).
BL	AS	5	Ferrara, N., and Davis-Smyth, T., "The Biology of Vascular Endothelial Growth Factor," <i>Endocrine Rev.</i> 18:4-25, The Endocrine Society (February 1997).
BL	AT	5	Filson, A.J., et al., "Tyrosine Phosphorylation of a Gap Junction Protein Correlates with Inhibition of Cell-to-Cell Communication," <i>Cell Growth Differ.</i> 1:661-668, American Association for Cancer Research (1990).

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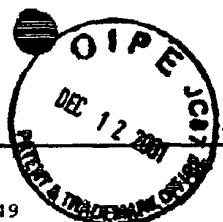
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

BL	AR	6	Fong, T.A.T., et al., "SU5416 Is a Potent and Selective Inhibitor of the Vascular Endothelial Growth Factor Receptor (Flk-1/KDR) That Inhibits Tyrosine Kinase Catalysis, Tumor Vascularization, and Growth of Multiple Tumor Types," <i>Cancer Res.</i> 59:99-106, The American Association for Cancer Research (1999).
BL	AS	6	Galaktionov, K., and Beach, D., "Specific Activation of cdc25 Tyrosine Phosphatases by B-Type Cyclins: Evidence for Multiple Roles of Mitotic Cyclins," <i>Cell</i> 67:1181-1194, Cell Press (1991).
BL	AT	6	Garcia-Morales, P., et al., "Tyrosine phosphorylation in T cells is regulated by phosphatase activity: Studies with phenylarsine oxide," <i>Proc. Natl. Acad. Sci. USA</i> 87:9255-9259, The National Academy of Sciences (1990).

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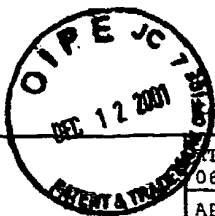
BL	AR	2	Gumbiner, B., and Simons, K., "A Functional Assay for Proteins Involved in Establishing an Epithelial Occluding Barrier: Identification of a Uvomorulin-like Polypeptide," J. Cell Biol. 102:457-468, The Rockefeller University Press (1986).
BL	AS	2	Gumbiner, B., et al., "The Role of the Cell Adhesion Molecule Uvomorulin in the Formation and Maintenance of the Epithelial Junctional Complex," J. Cell Biol. 107:1575-1587, The Rockefeller University Press (1988).
BL	AT	2	Gumbiner, B.M., "Cell Adhesion: The Molecular Basis of Tissue Architecture and Morphogenesis," Cell 84:345-357, Cell Press (1996).

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	8	Hamaguchi, M., et al., "p60 <sup>src</sup> causes tyrosine phosphorylation and inactivation of the N-Cadherin-catenin cell adhesion system," <i>EMBO J.</i> 12(1):307-314, Oxford University Press (1993).
AS	8	Hedrick, L., et al., "Cell adhesion molecules as tumour suppressors," <i>Trends Cell Biol.</i> 3(2):36-39, Elsevier Science Ltd. (1993).
AT	8	Heffetz, D., et al., "The Insulinomimetic Agents H <sub>2</sub> O <sub>2</sub> and Vanadate Stimulate Protein Tyrosine Phosphorylation in Intact Cells," <i>J. Biol. Chem.</i> 265:2896-2902, The American Society for Biochemistry and Molecular Biology, Inc. (1990).

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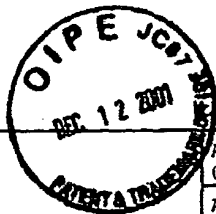
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AR	9	Herrenknecht, K., et al., "Endothelial Cadherins And The Regulation Of Tight Junction Permeability," Abstract (distributed at meeting) from British Society for Immunology Spring Meeting 1994, University of Southampton, United Kingdom, March 23-25, 1994.
AS	9	Izumi, T., et al., "Periodic Changes in Phosphorylation of the <i>Xenopus</i> cdc25 Phosphatase Regulate Its Activity," <i>Mol. Biol. Cell</i> 3:927-939, American Society for Cell Biology (1992).
AT	9	John, V., et al., "The effect of cyclic AMP-dependent protein kinase inhibitors on electrical resistance in the cell culture model for the blood-brain barrier," <i>Pharm. Pharmacol. Lett.</i> 3:190-193, Springer-Verlag (1994).

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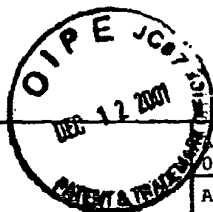
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AL	AR	10	Jones, A., and Harris, A.L., "New Developments in Angiogenesis: A Major Mechanism for Tumor Growth and Target for Therapy," <i>Cancer J.</i> 4:209-217, Scientific American (July-August 1998).
AL	AS	10	Kanner, S.B., et al., "Tyrosine Phosphorylation of a 120-Kilodalton pp60 <sup>src</sup> Substrate upon Epidermal Growth Factor and Platelet-Derived Growth Factor Receptor Stimulation and in Polyomavirus Middle-T-Antigen-Transformed Cells," <i>Mol. Cell. Biol.</i> 11:713-720, American Society for Microbiology (1991).
AL	AT	10	Kurihara, H., et al., "Increased Tyrosine Phosphorylation Accompanies Modification of Tight Junctions Between Foot Processes of Glomerular Epithelial Cells (GEC)," <i>Mol. Biol. Cell</i> 3(Suppl.):218a, Abstract No. 1263, American Society for Cell Biology (1992).

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BL	AR	11	Kurihara, H., et al., "Localization and Dynamics of Tight Junction Protein, ZO-1 in Rat Glomerular Epithelial Cells," <i>Cell Struct. Funct.</i> 17(6):493, Abstract No. 1D-1615, Japan Society of Cell Biology (1992).
BL	AS	11	Langelier, E.G., and van Hinsbergh, V.W.M., "Norepinephrine and iloprost improve barrier function of human endothelial cell monolayers: role of cAMP," <i>Am. J. Physiol.</i> 260:c1052-c1059, American Physiological Society (1991).
BL	AT	11	Levenson, R.M., and Blackshear, P.J., "Insulin-stimulated Protein Tyrosine Phosphorylation in Intact Cells Evaluated by Giant Two-dimensional Gel Electrophoresis," <i>J. Biol. Chem.</i> 264:19984-19993, The American Society for Biochemistry and Molecular Biology (1989).

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